BIRCH, STEWART, KOLASCH & BIRCH, LLP

INTELLECTUAL PROPERTY LAW

TERRELL C. BIRCH
RAYMOND C. STEWART
JOSEPH A. KOLASCH
JAMES M. SLATTERY
MICHAEL K. MUTTER
CHARLES GORENSTEIN
GERALD M. MURPHY, JR.
LEONARD R. SVENSSON
ANDREW D. MEIKLE
JOE McKINNEY MUNCY
ROBERT J. KENNEY
JOHN W. BAILEY
MARK J. NUELL, PH.D.
JAMES T. ELLER, JR.
D. RICHARD ANDERSON

TO 8110 GATEHOUSE ROAD
SUITE 100 EAST
FALLS CHURCH, VA 22042-1248
USA

(703) 205-8000

FAX: (703) 205-8050 (703) 698-8590 (G IV)

e-mail: mailroom@bskb.com web: http://www.bskb.com

CALIFORNIA OFFICES: COSTA MESA, CALIFORNIA LOS ANGELES, CALIFORNIA SCOTT L. LOWE
PAUL C. LEWIS
RICHARD J. GALLAGHER
MARYANNE ARMSTRONG, PH.D.
KECIA J. REYNOLDS
KALPANA REDDY
ESTHER H. CHONG
CATHERINE M. VOISINET*
EUGENE T. PEREZ
CAROLYN T. BAUMGARDNER*
MARTIN R. GEISSLER*
J. ALISON GRABELL*
T. BENJAMIN SCHROEDER, PH.D.
PERCY L. SQUARE
HYUNG N. SOHN
CLINT A. GERDINE
CRAIG A. MCROBBIE
WILLIAM F. NIXON*
DANIEL K. DORSEY
MATTHEW T. SHANLEY

REG. PATENT AGENTS:
FREDERICK R. HANDREN
MAKI HATSUMI
GARTH M. DAHLEN, PH.D.
ROBERT E. GOOZNER, PH.D.
KRISTI L. RUPERT, PH.D.
SUSAN W. GORMAN, PH.D.
ROBERT W. DOWNS
CHAD J. BILLINGS
CHRISTINE V. CASTILLO
CARL T. THOMSEN
SAM BHATTACHARYA
BRADLEY C. FACH

17858 U.S. PTO 10/668999

OF COUNSEL:
HERBERT M. BIRCH (1905-1996)
BERNARD L. SWEENEY*
ELLIOT A. GOLDBERG*
WILLIAM L. GATES*
EDWARD H. VALANCE
RUPERT J. BRADY (RET.)*
F. PRINCE BUTLER
FRED S. WHISENHUNT (RET.)
JAMES W. HELLWEGE
GUENTIN R. "RICK" CORRIE
ROBERT F. GNUSE
DAVID R. MURPHY
ROBERT M. ASHEN*
MICHAEL R. CAMMARATA

THOMAS M. SMALL*
ROBERT A. SELDON*
JOHN A. SCILLIERI*
SANFORD ASTOR*

*ADMITTED TO A BAR OTHER THAN VA.

Date: September 24, 2003

Docket No.: 2846-0270P

MS PATENT APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of

Inventors: YANG, Wei-Chun and CHANG, Chien-Wei

For: METHOD AND STRUCTURE OF A SUBSTRATE WITH BUILT-IN VIA HOLE

RESISTORS

Enclosed are:

 $oxed{oxed}$ A specification consisting of Nine (9) pages

 $oxed{oxed}$ An assignment of the invention

Applicant claims small entity status under 37 C.F.R. § 1.27

Applicant does not claim priority

	Applicant claims the right of priority under 35 U.S.C. § 119 based on Application No(s). filed in on . Certified copy(ies) is(are) attached hereto. Certified copy(ies) will follow.													
\boxtimes	Executed Declaration ($igtiesize$ Original $igcap$ Photocopy)													
	Application Data Sheet in accordance with 37 C.F.R. § 1.76													
	Preliminary Amendment													
\boxtimes	Information Disclosure Statement, PTO-1449 and reference(s)													
	Other:													
	Applicant requests early publication - \$300.00 publication fee													
	Non-publication Request and Certification under 35 U.S.C. § 122(b)(2)(B)(i)													

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY		
	BASIC	FEE	\$750.00	\$375.00		
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE		
TOTAL	15- 20 =	0	X 18 = \$0.00	x 9 = \$0.00		
INDEPENDENT CLAIMS	2- 3 =	0	x 84 = \$0.00	x 42 = \$0.00		
II .	LE DEPENDEN PRESENTED	Т	+ \$280.00	+ \$140.00		
		TOTAL	\$0.00	\$375.00		

\boxtimes	Α	check	in	the	amount	of	\$415.00	to	cover	the	filing	fee	and
	re	ecordin	ng 1	fee :	is encl	ose	d.						

	Please	cha	rge D	eposit	Accour	nt No	o. 02	-2448	in	the	amount	of
_	\$0.00.	Α	tripl	icate	copy	of	this	trar	ısmi	ttal	form	is
	enclose	he										

Docket No. 2846-0270P

(Rev. 08/21/03)

□ Please send correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 02292 P.O. Box 747 Falls Church, VA 22040-0747 (703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Joe McKinney Muncy

(703) 205-8000

KM/msh 2846-0270P

Attachments